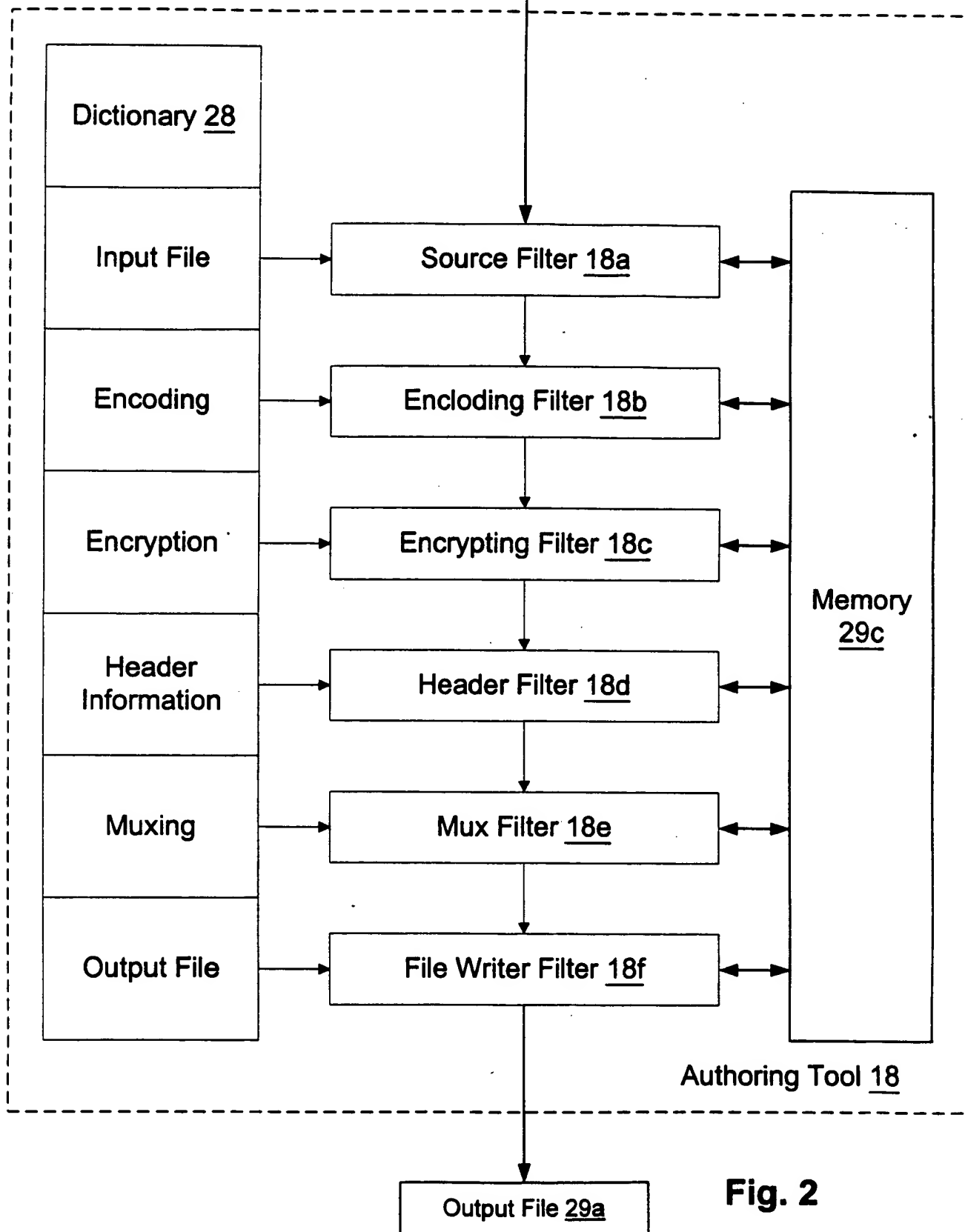


Architecture 10

Fig. 1



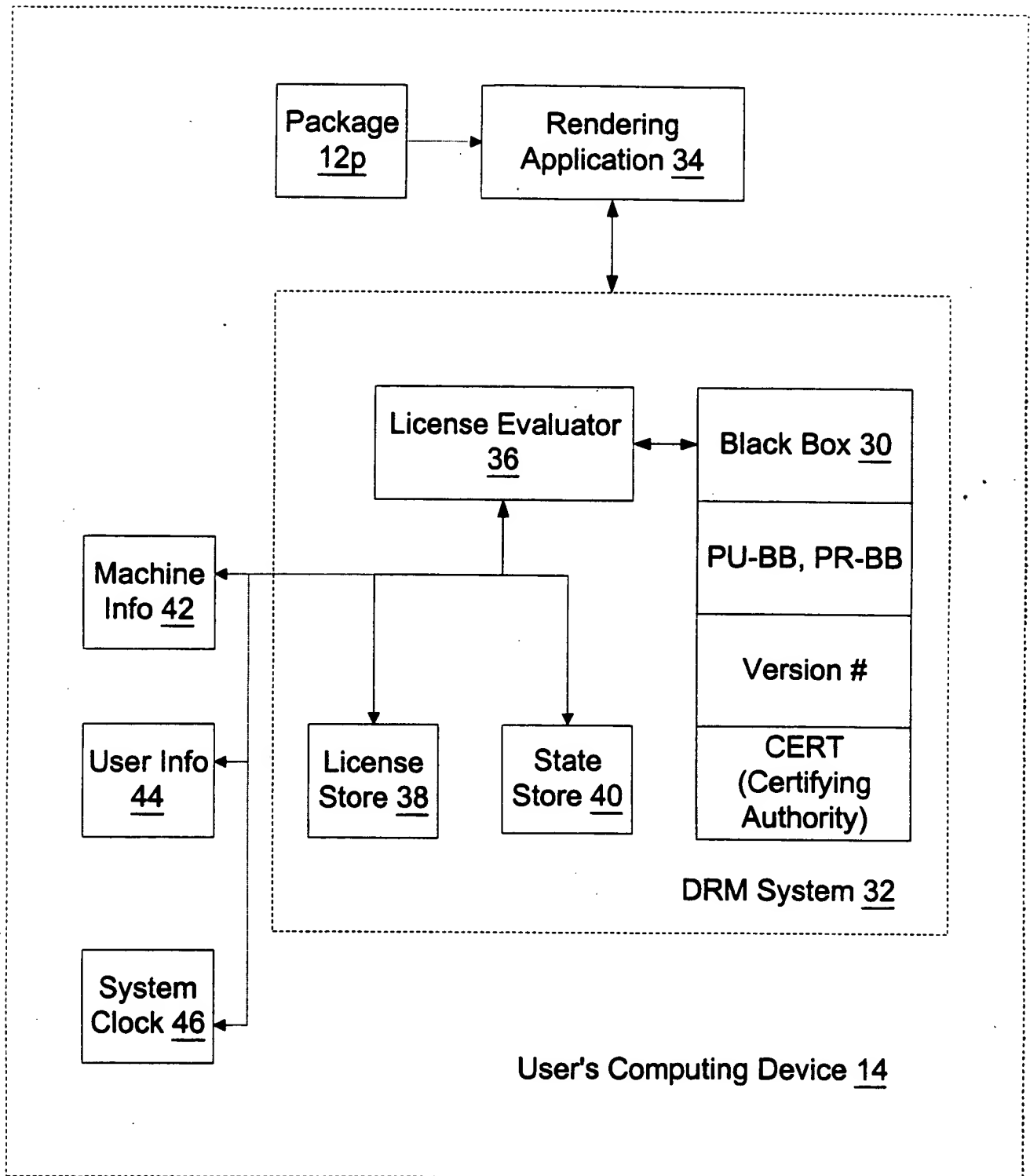
**Fig. 2**

Digital Content Package <u>12p</u>
KD (Digital Content <u>12</u> )
Content ID
Key ID
License Acquisition Info
KD (PU-CS) S (PR-CS)

**Fig. 3**

License <u>16</u>
Content ID
DRL <u>48</u> or KD (DRL <u>48</u> )
PU-BB (KD)
S (PR-LS)
CERT (PU-LS) S (PR-CS)

**Fig. 8**



**Fig. 4**

Check For DRM Protection - 503

**Render -  
507**

Protected? - 505

Run DRM  
System 32 - 509

**Hand-Over to DRM  
System - 511**

DRM System 32  
Assumes Control -  
513

**Check For Valid, Enabling Licenses 16**  
**In License Store 38 - 515**

Acquire  
License 16  
from License  
Server 24

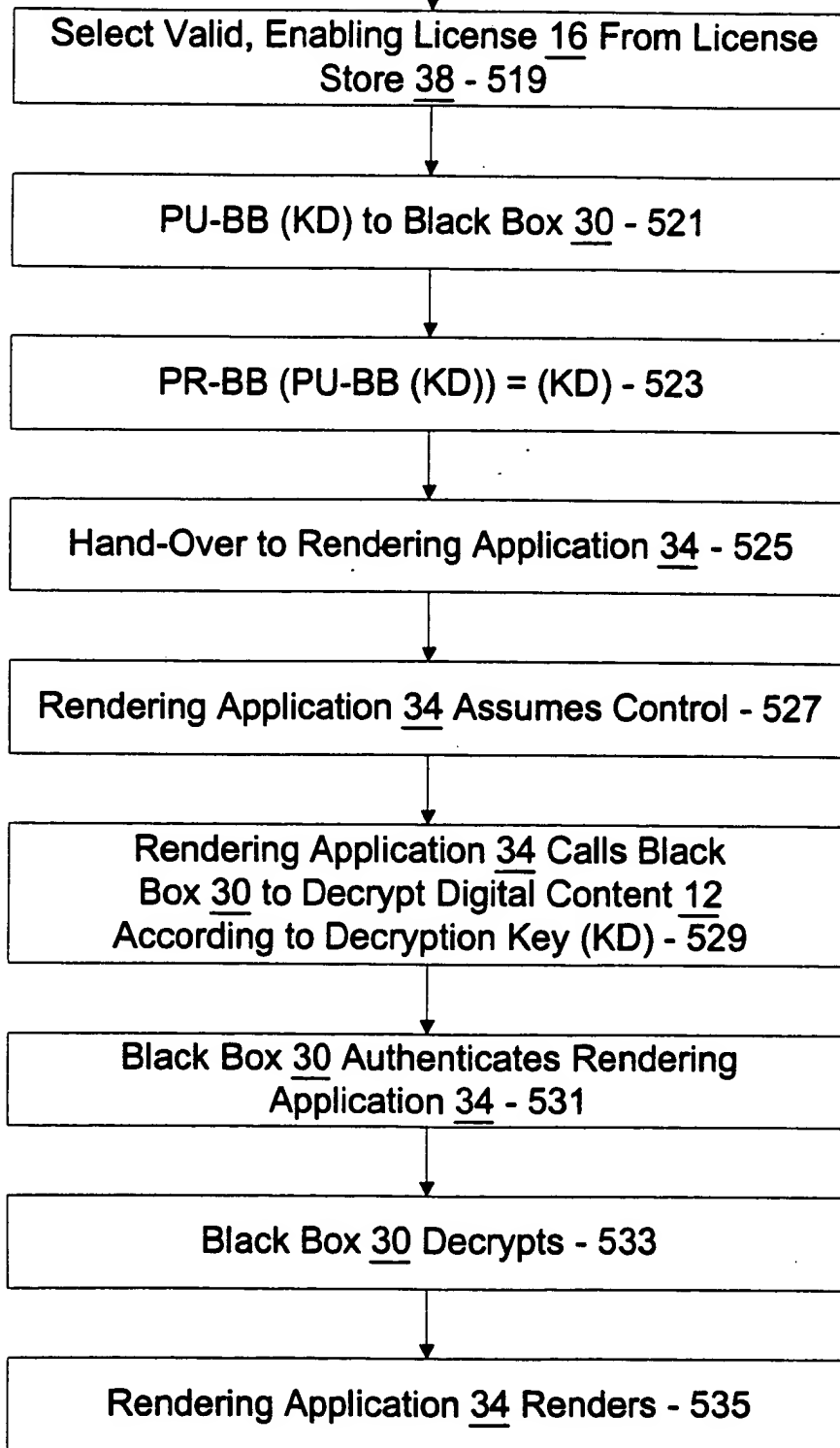
Valid, Enabling  
License? - 517

to Fig. 5B

to Fig. 5B

**Fig. 5A**

from Fig. 5A



**PU-BB (KD) to Black Box 30 - 521**

$$\text{PR-BB (PU-BB (KD))} = (\text{KD}) - 523$$

## Hand-Over to Rendering Application 34 - 525

## Rendering Application 34 Assumes Control - 527

Rendering Application 34 Calls Black  
Box 30 to Decrypt Digital Content 12  
According to Decryption Key (KD) - 529

## Black Box 30 Authenticates Rendering Application 34 - 531

## Black Box 30 Decrypts - 533

## Rendering Application 34 Renders - 535

**Fig. 5B**

Check License Store 38 for  
Corresponding Licenses 16 - 601

### Check Each License Signature - 603

**Acquire  
License 16**

**Any Signature  
Valid? -605**

**Check Each Valid  
License 16 for  
Rendering Rights -  
607**

**Acquire  
License 16**

Any Valid License 16  
Grants Rights? - 609

**Valid, Enabling  
License 16**

### Fig. 6

# DECEMBER 1979

Contact License Server 24 - 701

### Send License Request - 703

License Server 24 Checks Request Signature - 705

**Signature**  
**Valid? - 707**

**Error**

**License Server 24 Checks Black  
Box 30 Version # - 709**

Version #  
Acceptable? - 711

**Upgrade  
Black Box  
30**

Negotiate License 16 - 713

[illegible]

End

Generate License 16 - 717

License 16 to User - 719

License 16 in License Store 38 -721

**Fig. 7**

1. **Introduction**  
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 251. **Subject Headings**



Request Black Box 30 - 901

Black Box Server 26 Generates  
Unique Black Box 30 with Unique  
PU-BB, PR-BB - 903

New Black Box 30 Given Access  
to Old PU-BB, PR-BB - 905

New Black Box 30 Sent To  
Requesting DRM System 18 -  
907

New Black Box 30 Installed - 909

**Fig. 9**

$$\text{PR-BB (PU-BB (KD))} = (\text{KD}) - 1001$$
$$KD(KD(PU-CS)) = (PU-CS) - 1003$$

Validate KD (PU-CS) S (PR-CS) - 1005

Validate CERT (PU-LS) S (PR-CS) - 1007

Obtain (PU-LS) - 1009

Validate S (PR-LS) -1011

$$KD (KD (DRL \underline{48})) = DRL \underline{48} - 1013$$

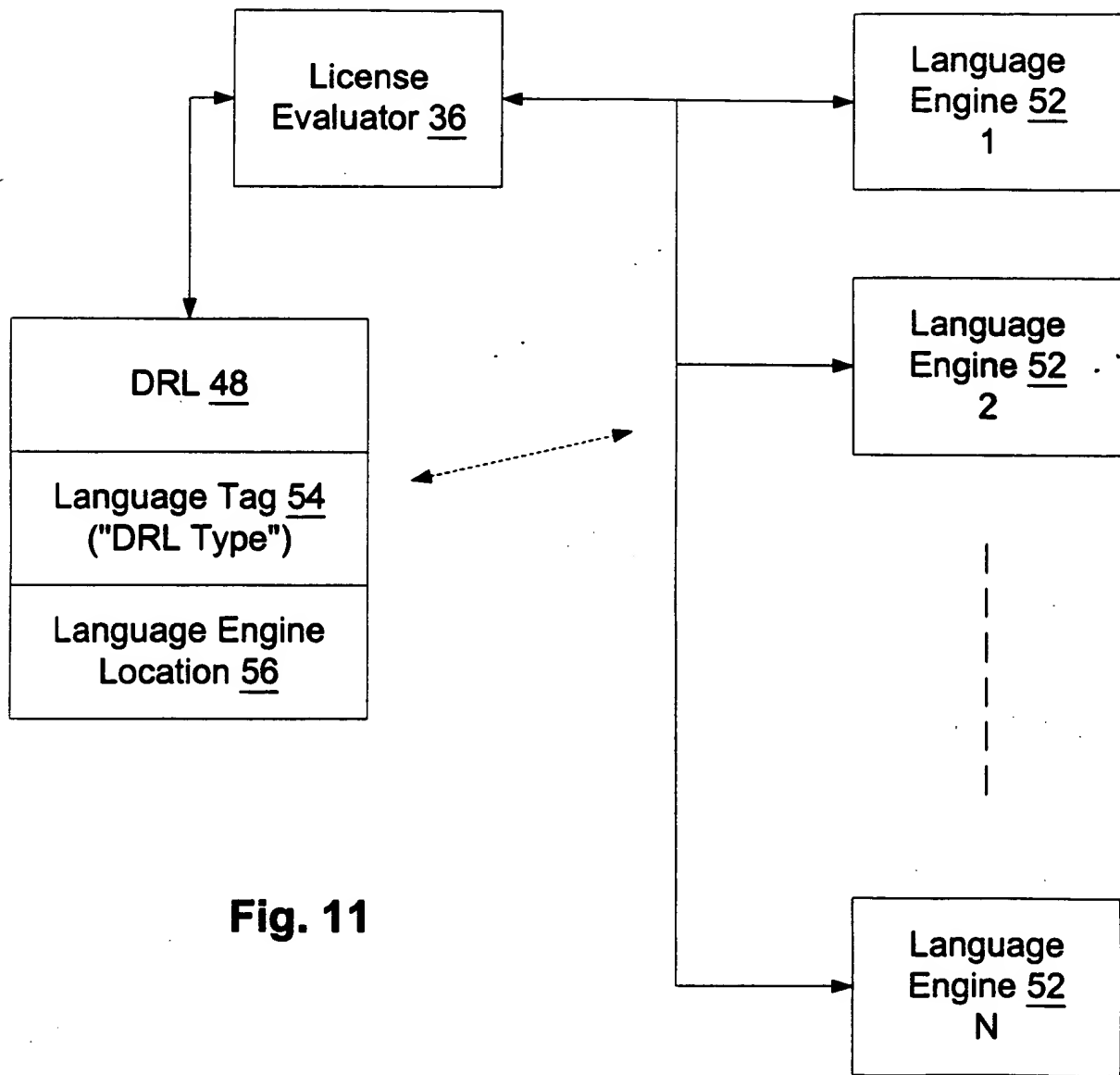
**DRL Enabling? - 1015**

**Stop**

$$KD(KD(Content)) = Content - 1017$$

**Fig. 10**

1.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 2.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 3.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 4.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 5.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 6.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 7.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 8.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 9.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$   
 10.  $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |u|^2 dx = \int_{\mathbb{R}^n} u \Delta u dx = - \int_{\mathbb{R}^n} |\nabla u|^2 dx \leq 0$



**Fig. 11**

